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# (12) United States Patent Kim et al.

## (54) LIQUID CRYSTAL DISPLAY

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#### (57) ABSTRACT

A liquid crystal display includes: first and second gate lines disposed on the first substrate and which respectively transmit first and second gate signals; first, second and third data lines disposed on the first substrate; a first switching element connected to the first gate line and the first data line; a second switching element connected to the first gate line and the second data line; a third switching element connected to the second gate line and the second gate line and the second gate line and the third data line; first and second pixel electrodes respectively connected to the first and second switching and which form a first liquid crystal capacitor; and third and fourth pixel electrodes respectively connected to the third and fourth switching elements and which form a second liquid crystal capacitor.

#### 6 Claims, 14 Drawing Sheets

